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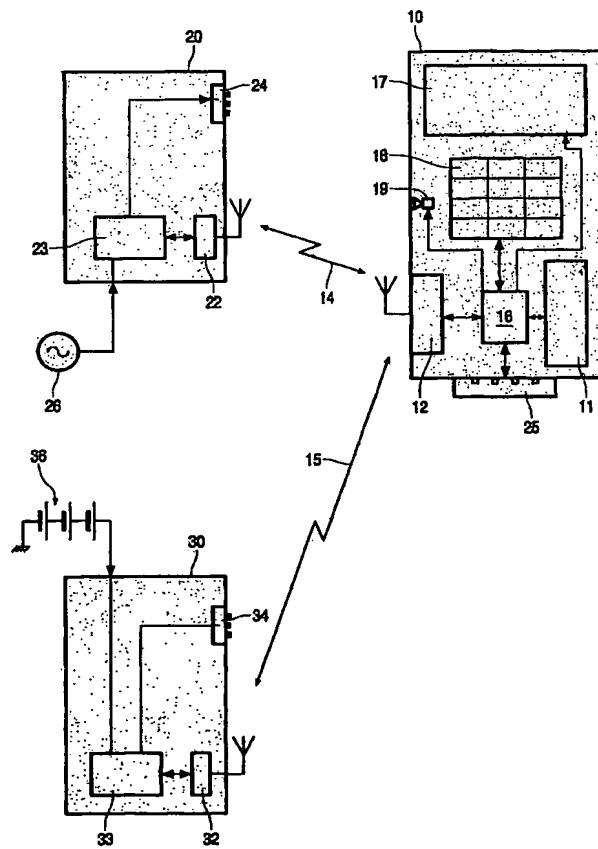
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(54) Title: **WIRELESS BATTERY CHARGER DETECTION AND NOTIFICATION**



(57) **Abstract:** The availability of a charging facility for a portable electronic device is detected by the portable electronic device by establishing a short range wireless communication link between a battery charger and the portable device, and transferring compatibility data over the wireless communication link from the charger to the portable electronic device to determine a compatibility between the battery charger and the portable electronic device. The portable electronic device (such as a mobile phone or PDA) comprises: means for receiving a rechargeable battery; means for receiving compatibility data, over a wireless communication link, from a remotely located battery charger; and means for using said compatibility data to detect the presence of a battery charger compatible with the portable electronic device. The battery charger comprises: charging means for providing power for recharging a battery; and means for transmitting compatibility data, over a wireless communication link, to a remotely located portable electronic device. An alert device is incorporated to notify the user of the existence of the compatible battery charger.

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